

FIG. 1

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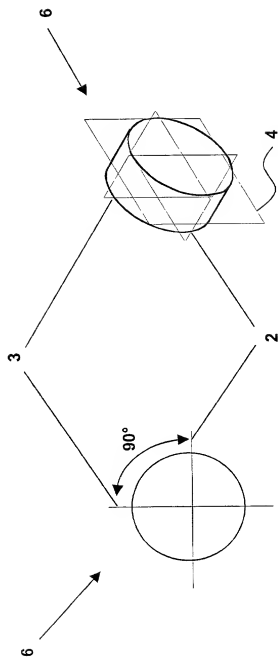


FIG. 2

10032163.102401

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10033163.102401

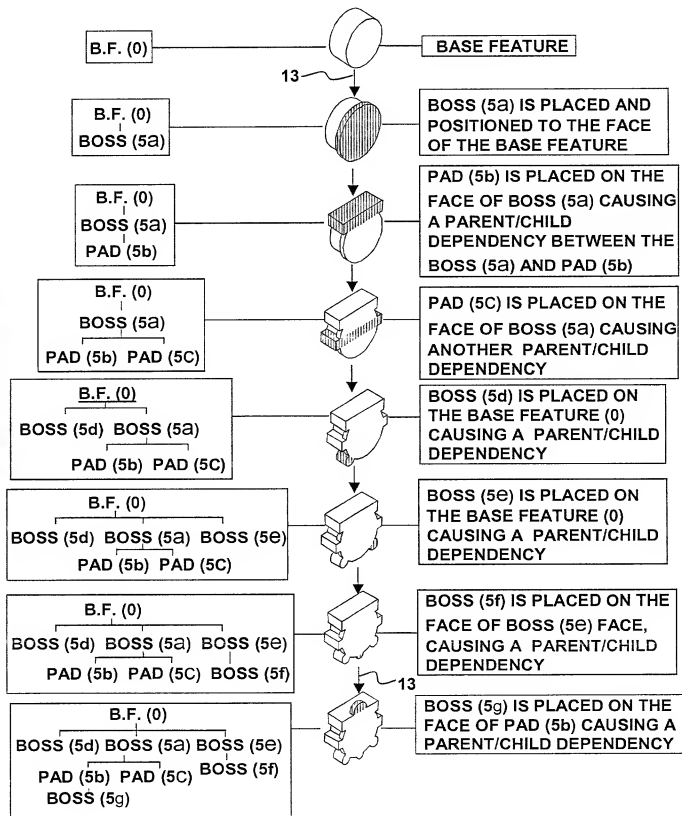


FIG. 3

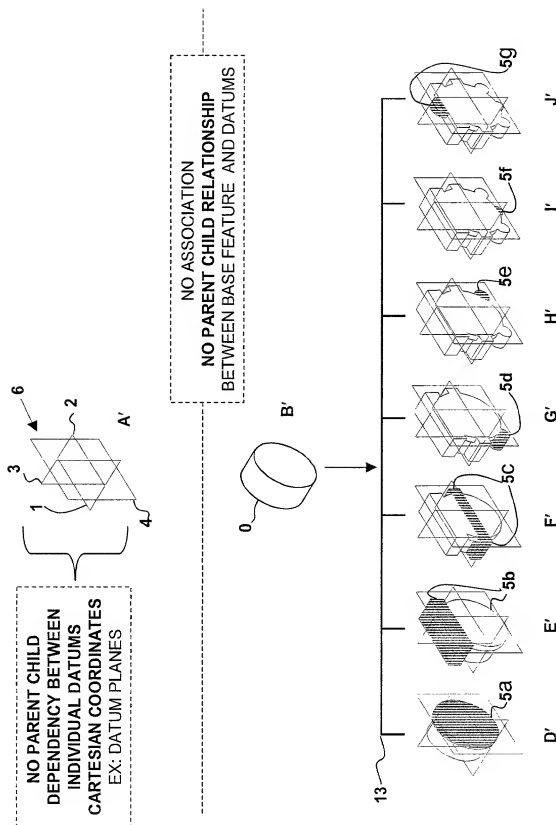


FIG. 4

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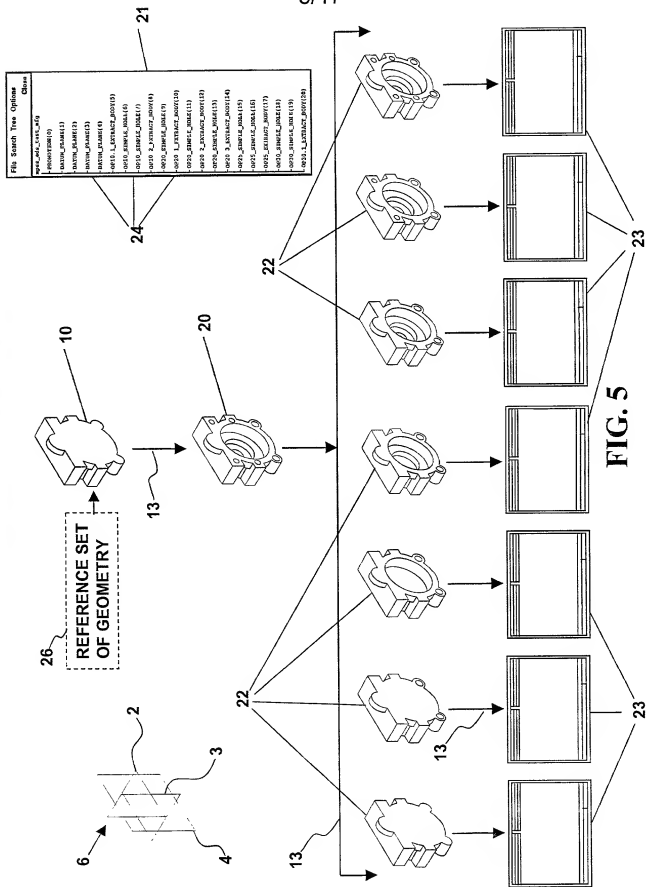


FIG. 5

FIG. 6

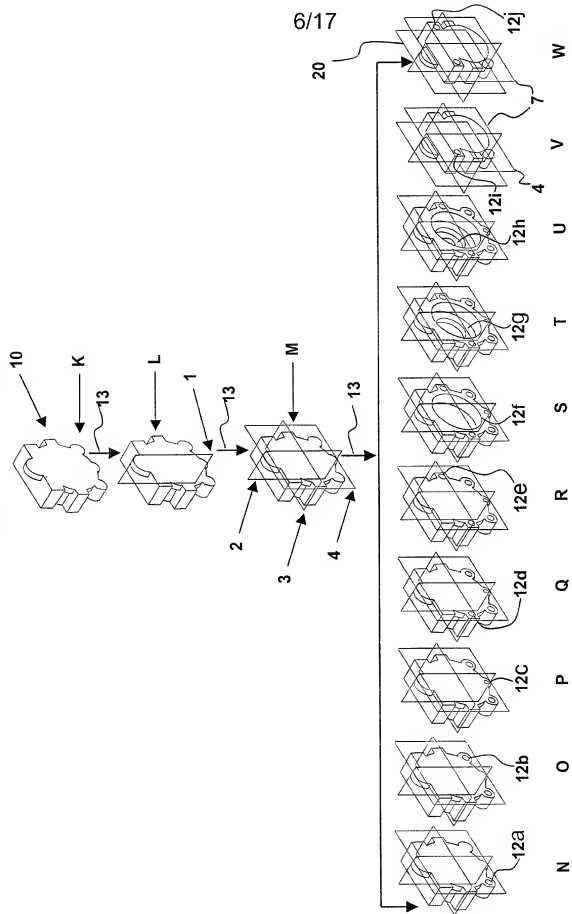


FIG. 6

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T04201" C9TEC001

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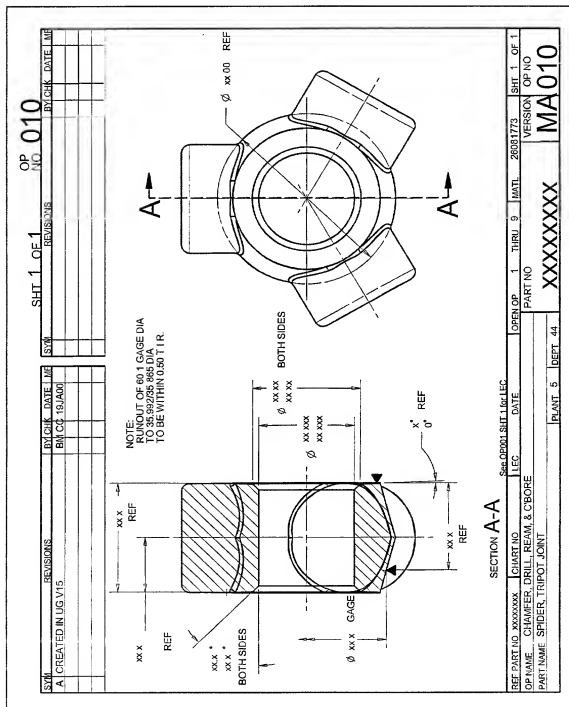
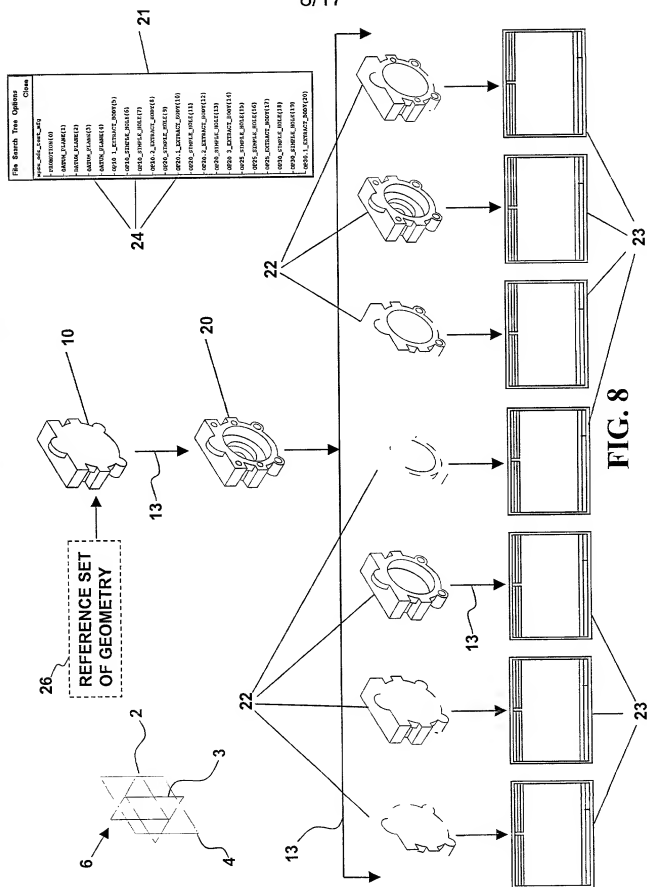


FIG. 7



**FIG. 8**



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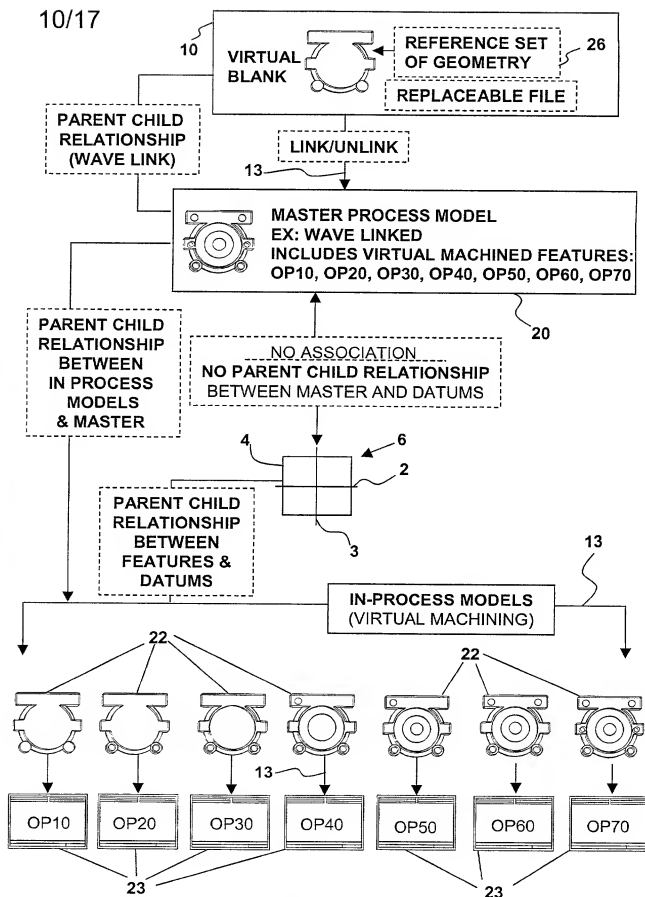


FIG. 10

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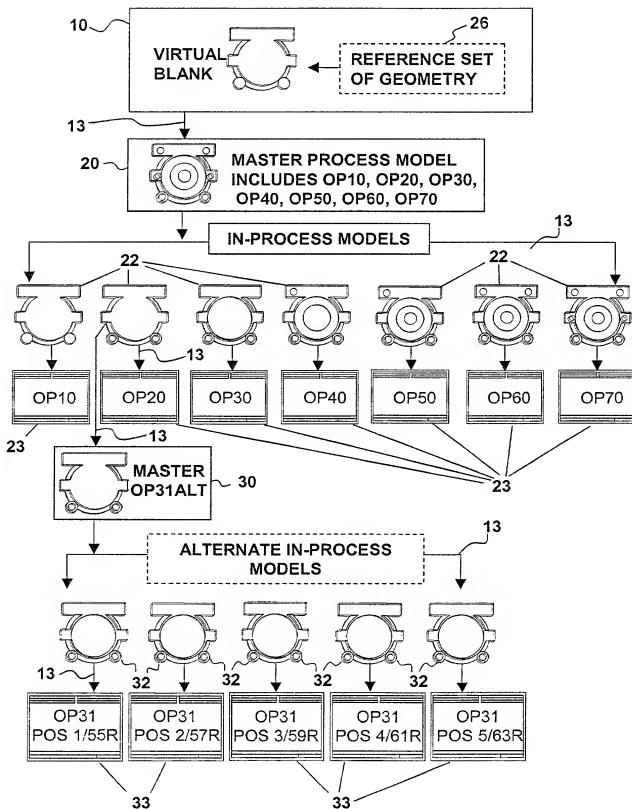
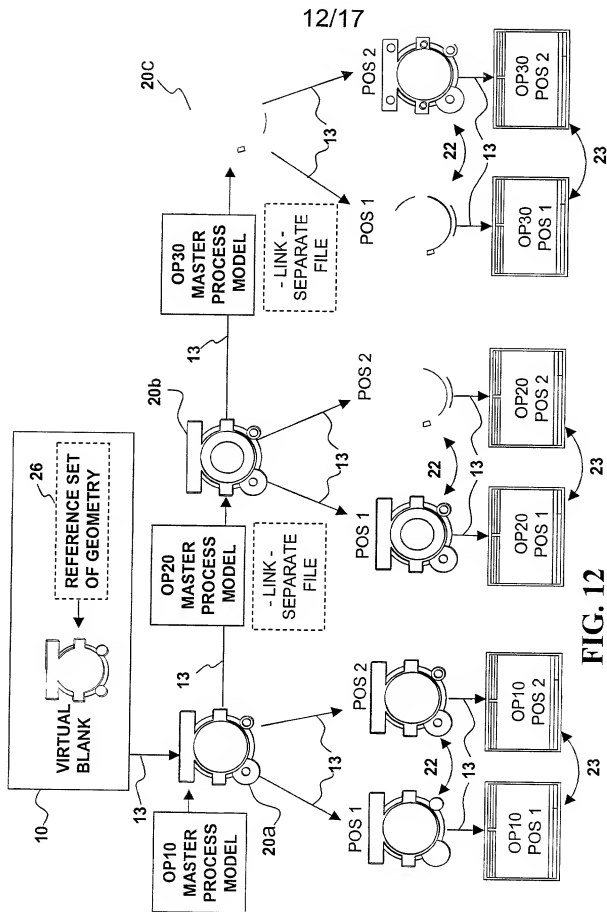


FIG. 11

10033361 104201



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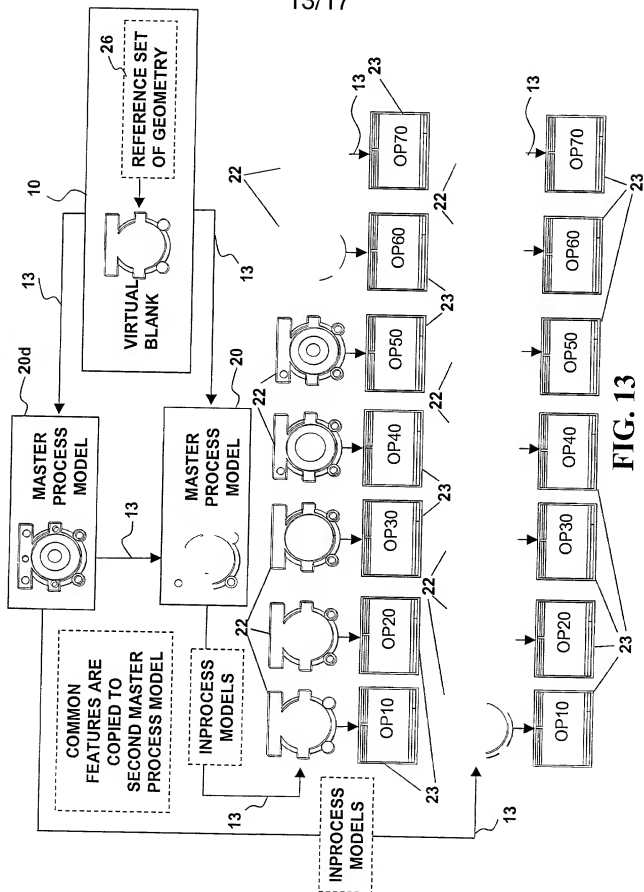


FIG. 13

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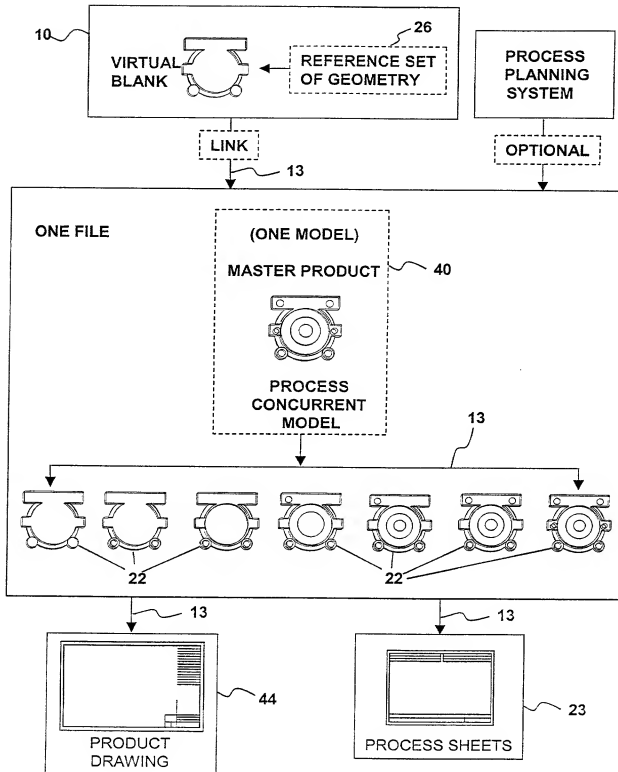


FIG. 14

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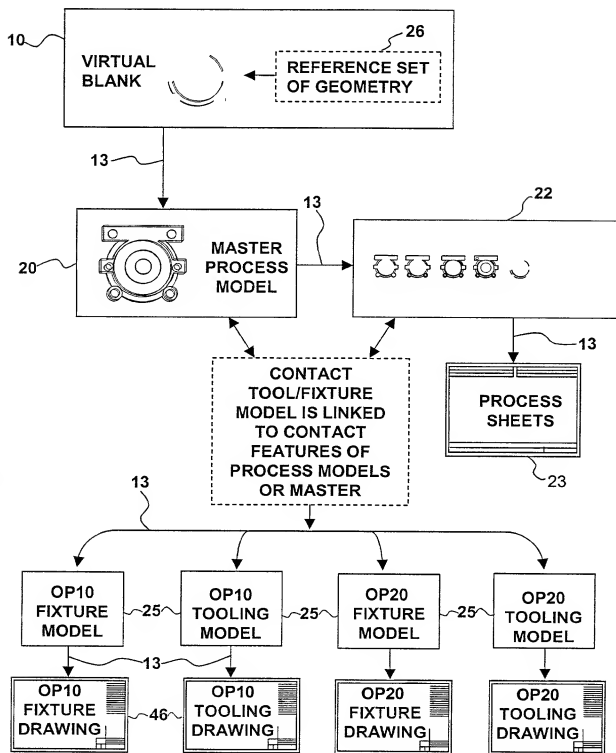


FIG. 15

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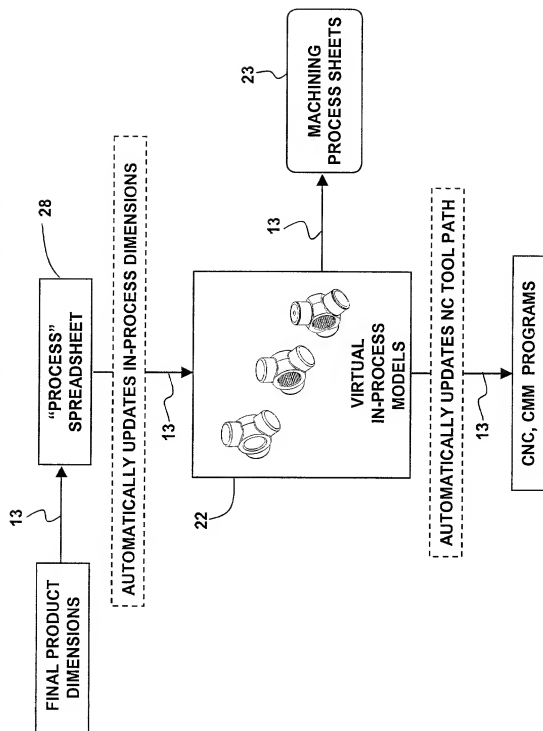


FIG. 16



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TOTAL ESTEED

FINAL PRODUCT DIMENSIONS		BLUE: FINAL PRODUCT DIMENSIONS	
		YELLOW: BLUE: PROCESS RULE	
		RED: CALCULATED IN-PROCESS DIMENSIONS BASED ON PROCESS RULES	
Operations	Part	Description	Parameters
Operation 11/13/14 Bore and Chamfer		Min Borechord hole diameter after HT	max_borechord_hole_dia
		Min Borechord hole diameter after HT	min_borechord_hole_dia
		Head lead distribution	Head_lead_distribution
		Min minor diameter of Borechord hole before HT	min_minor_dia
		Min minor diameter of Borechord hole before HT	min_minor_dia
		Minimum recommended stock removal (gross)	min_stock_removal
		Maximum recommended stock removal (gross)	max_stock_removal
		Minimum Borechord hole diameter	min_borechord_hole_dia
		Maximum Borechord hole diameter	max_borechord_hole_dia
		Average Borechord hole diameter	avg_borechord_hole_dia

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AUTOMATICALLY UPDATES IN-PROCESS DIMENSIONS

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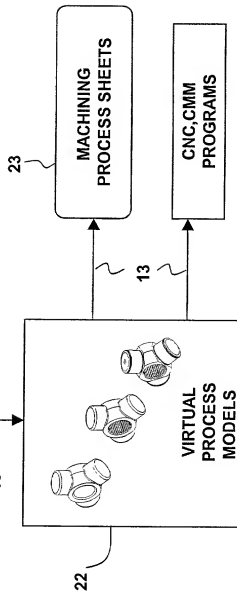


FIG. 17